

Product preserving bundle functors on multifibered and multifoliate manifolds

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Abstract

We show that the set of the equivalence classes of multifoliate structures is in one-to-one correspondence with the set of equivalence classes of finite complete projective systems of vector space epimorphisms. After that we give the complete description of all product preserving bundle functors on the categories of multifibered and multifoliate manifolds.

Keywords

Multifoliate structures, Product preserving bundle functors, Projective systems